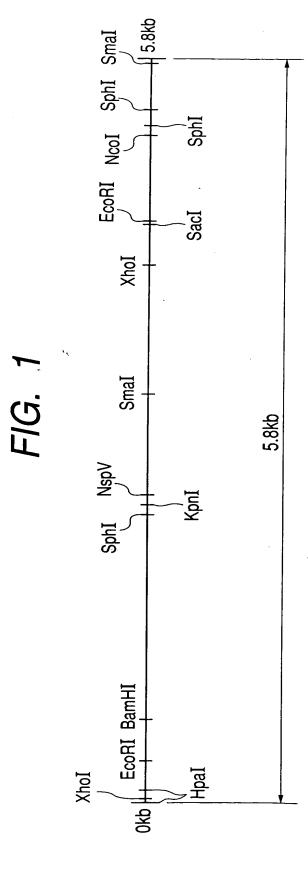
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# FIG. 2

FIG. 2A

FIG. 2B

FIG. 2C

FIG. 2D

FIG. 2E

FIG. 2F

FIG. 2G

FIG. 2H

FIG. 21

FIG. 2J

FIG. 2K

FIG. 2L

FIG. 2M

FIG. 2N

FIG. 20

FIG. 2P

FIG. 2Q

FIG. 2R

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# FIG. 2A

GA	ГСАТТ	TCA	TCAA	ATGC	GC T	CGAG	CGGG'	r tg	CTCA	AATG	ATG	AAAA	AGG	CCAC	CGGACA	60
TG	GGTTT	CGG	CACG	ATCG	CC G	GCGG	GCGT'	г тт	CCGT	TCTG	GTT	AACC	GCC	ATTG	TGGGTC	120
GC	GAAAT	TTA	ACTT	CGCG	TC A	GGGC'	TTTC	С СТ	GAAT'	ГАТС	GAG	ATTT'	TTT	GCTG	CCTGGG	180
TC	GAACG	TGG	CACG	GATG	CT G	CATT	GAAG'	r cc	GGCA'	ΓGGA	GGC	GACA	CCG	ATC		233
AT	G AAT	CAG	CAC	CCC	ACC	GAT	CTT	TCC	CCG	TTC	GAT	CCC	GGC	CGC	AAG	281
Me	t Asn	Gln	His	Pro	Thr	Asp	Leu	Ser	Pro	Phe	Asp	Pro	Gly	Arg	Lys	
				5					10					15		•
TG	C GTC	CGC	GTG	ACC	GGC	ACG	AAC	GCG	CGC	GGC	TTC	GTC	GAA	TTC	GAG	329
Cys	s Val	Arg	Val	Thr	Gly	Thr	Asn	Ala	Arg	Gly	Phe	Val	Glu	Phe	Glu	
			20		-			25					30	-		
CT(	G TCG	ATC	GGC	GGC	GCG	CCG	GAA	CTG	TGC	GTC	GAG	CTG	ACG	TTG	TCT	377
Lei	Ser	Ile	Gly	Gly	Ala	Pro	Glu	Leu	Cys	Val	Glu	Leu	Thr	Leu	Ser	
		35					40					45				
CCT	, GCC	GCC	TTC	GAT	GCG	TTC	TGC	CGC	GAA	CAG	CAG	GTC	ACG	CGG	CTC	425
Pro	Ala	Ala	Phe	Asp	Ala	Phe	Cys	Arg	Glu	Gln	Gln	Val	Thr	Arg	Leu	
	50					55					60					
GAC	GTC	GAA	GCG	AAC	CCA											443
Asp	Val	Glu	Ala	Asn	Pro											
65					70											

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# FIG. 2B

TGA	CCTT	GAGG.	AGCA.	AGAA												462
GTG	ACC	ATC	GAG	CTG	AAG	ACA	GTC	GAC	ATC	AAG	CCG	СТС	CGG	CAC	ACC	510
Met	Thr	lle	Glu	Leu	Lys	Thr	Val	Asp	He	Lys	Pro	Leu	۸rg	His	Thr	
				5					10					15		
TTT	GCG	CAT	GTC	GCG	CAG	AAC	ATC	GGC	GGC	GAC	AAG	ACG	GCG	ACG	CGC	558
Phe	Ala	His	Val	Ala	Gln	Asn	Ile	Gly	Gly	Asp	Lys	Thr	Ala	Thr	Arg	
			20					25					30			
TAC	CAG	GAA	GGC	ATG	ATG	GGC	GCG	CAG	CCC	CAG	GAG	AAC	TTC	CAT	TAC	606
Tyr	Gln	Glu	Gly	Met	Met	Gly	Ala	Gln	Pro	Gln	Glu	Asn	Phe	His	Tyr	
		35					40					45				
CGG	CCG	ACC	TGG	GAC	CCG	GAC	TAC	GAG	ATC	TTC	GAT	CCG	TCG	CGC	TCG	654
Arg	Pro	Thr	Trp	Asp	Pro	Asp	Tyr	Glu	Ile	Phe	Asp	Pro	Ser	Arg	Ser	
	50					55					60 -					
GCG	ATC	CGG	ATG	GCG	AAC	TGG	TAC	GCG	TTG	AAG	GAT	CCG	CGC	CAG	TTC	702
Ala	Ile	Arg	Met	Ala	Asn	Trp	Tyr	Ala	Leu	Lys	Asp	Pro	Arg	Gln	Phe	
65					70					75					80	
TAC	TAC	GCG	TCG	TGG	GCG	ACC	ACG	CGG	GCG	CGC	CAG	CAG	GAT	GCG	ATG	750
Tyr	Tyr	Ala	Ser	Trp	Ala	Thr	Thr	Arg	Ala	Arg	Gln	Gln	Asp	Ala	Met	
				85					90					95		

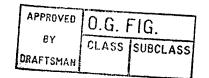
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# FIG. 2C

798	ATG	CTG	GGC	ATC	ATG	CGG	CGC	TCG	GAA	GTC	TTC	GAG	TTC	AAC	TCG	GAG
	Met	Leu	Gly	Ile	Met	Arg	Arg	Ser	Glu	Val	Phe	Glu	Phe	Asn	Ser	Glu
			110					105					100	•		
846	CGC	CTG	CCG	GTG	CTG	GTG	GAC	СТС	GCG	CGG	GCG	GCC	GTG	GAC	GAC	CGC
	Arg	Leu	Pro	Val	Leu	Val	Asp	Leu	Ala	Arg	Ala	Ala	Val	Asp	Asp	Arg
				125					120					115		
894	СТС	GCG	TGC	ATC	CAG	GCG	AAC	AAC	ATG	AAC	GCG	GGC	TGG	GCG	GCC	CAC
	Leu	Ala	Cys	lle	Gln	Ala	Asn	Asn	Met	Asn	Ala	Gly	Trp	Ala	Ala	His
					140					135					130	
942	GAC	ATG	GCG	CAT	TTC	ATG	GCG	CCC	GCG	ACC	TTC	GTG	ACG	GGC	TAC	GGC
	Asn	Met	Ala	His	Phe	Met	Ala	Pro	Ala	Thr	Phe	Val	Thr	Glv	Tvr	Glv
		140 €		0											- •	
	160					155					150					145
990	GCC	ATG	GCG	CTC	GCG	CTC	CGT	ACG	CTC	TAC	CAA	GCG	GTC	GGC	CTC	AAC
	Ala	Met	Ala	Leu	Ala	Leu	Arg	Thr	Leu	Tyr	Gln	Ala	Val	Gly	Leu	Asn
		175					170					165				
1038	GCC	GAC	CGC	ACC	TGG	ACC	GCG	AAG	GCC	GCG	GAG	CTG	GTG	GAC	CCC	GAG
	Ala	Asp	Arg	Thr	Trp	Thr	Ala	Lys	Ala	Ala	Glu	Leu	Val	Asp	Pro	Glu
			190					185					180			



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## FIG. 2D

GCC	TGG	CAG	CCG	CTG	CGC	CGC	TAC	GTC	GAG	GAC	ACG	CTG	GTC	GTC	GCC	1086
Ala	Trp	Gln	Pro	Leu	Arg	Arg	Tyr	Val	Glu	Asp	Thr	Leu	Val	Val	Ala	
		195					200					205				
GAT	CCG	GTC	GAG	CTG	TTC	ATC	GCG	CAG	AAC	СТС	GCG	СТС	GAC	GGC	CTG	1134
Asp	Pro	Val	Glu	Leu	Phe	lle	Ala	Gln	Asn	Leu	Ala	Leu	Asp	Gly	Leu	
	210					215					220					
CTG	TAT	CCG	СТС	GTC	TAC	GAC	CGC	TTC	GTC	GAC	GAA	CGG	ATC	GCG	CTC	1182
Leu	Tyr	Pro	Leu	Val	Tyr	Asp	Arg	Phe	Val	Asp	Glu	Arg	Ile	Ala	Leu	
225					230					235					240	
GAA	GGC	GGC	TCG	GCA	GTC	GCG	ATG	CTG	ACC	GCG	TTC	ATG	CCC	GAA	TGG	1230
Glu	Gly	Gly	Ser	Ala	Val	Ala	Met	Leu	Thr	Ala	Phe	Met	Pro	Glu	Trp	
				245					250					255		
CAC	ACC	GAG	TCG	AAC	CGC	TGG	ATC	GAC	GCG	GTC	GTG	AAG	ACG	ATG	GCC	1278
His	Thr	Glu	Ser	Asn	Arg	Trp	Ile	Asp	Ala	Val	Val	Lys	Thr	Met	Ala	
			260					265					270	)		
GCC	GAA	TCC	GAC	GAC	AAC	CGC	GCG	CTG	СТС	GCC	CGC	TGG	ACA	CGC	GAC	1326
Ala	Gļu	Ser	Asp	Asp	Asn	Arg	Ala	Leu	Leu	Ala	Arg	Trp	Thṛ	Arg	Asp	

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#### FIG. 2E

TGG TCC GCG CGC GCC GAG GCG GCA CTG GCA CCG GTG GCG GCA CGC GCG 1374

Trp Ser Ala Arg Ala Glu Ala Ala Leu Ala Pro Val Ala Ala Arg Ala

290 295 300

CTG CAG GAT GCC GGG CGC GCG GCG CTC GAC GAA GTG CGC GAG CAG TTC 1422
Leu Gln Asp Ala Gly Arg Ala Ala Leu Asp Glu Val Arg Glu Gln Phe

305 310 315 320

CAC GCA CGC GCG GCC AGG CTC GGC ATC GCG CTC 1455

His Ala Arg Ala Ala Arg Leu Gly Ile Ala Leu

325 330

TGACGACGGG AATCCTCCCT TAACCCAAGG AATGCCAGC 1494

ATG TCC AAC GTA TTC ATC GCC TTT CAG GCC AAT GAG GAC TCC AGA CCG 1542

Met Ser Asn Val Phe Ile Ala Phe Gln Ala Asn Glu Asp Ser Arg Pro

5 10 15

ATC GTG GAT GCG ATC GTC GCC GAC AAC CCG CGC GCG GTG GTG GTC GAG 1590

Ile Val Asp Ala Ile Val Ala Asp Asn Pro Arg Ala Val Val Glu

20 25 30

TCG CCC GGC ATG GTC AAG ATC GAC GCG CCG GAC CGG CTG ACG ATC CGC 1638

Ser Pro Gly Met Val Lys Ile Asp Ala Pro Asp Arg Leu Thr 11e Arg

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# FIG. 2F

CGC	GAA	ACG	ATC	GAG	GAA	CTG	ACC	GGC	ACG	CGC	TTC	GAC	CTG	CAG	CAG	1686
Arg	Glu	Thr	Ile	Glu	Glu	Leu	Thr	Gly	Thr	Arg	Phe	Asp	Leu	Gln	Gln	
	50					55	•				60					
CTC	CAG	GTC	AAC	CTG	ATC	ACG	CTG	TCA	GGC	CAC	ATC	GAC	GAG	GAC	GAC	1734
Leu	Gln	Val	Asn	Leu	Ile	Thr	Leu	Ser	Gly	His	Ile	Asp	Glu	Asp	Asp	
65					70					75					80	
GAC	GAG	TTC	ACG	CTG	AGC	TGG	TCG	CAC								1761
Asp	Glu	Phe	Thr	Leu	Ser	Trp	Ser	His								
				85												
				00												
TGA	ACGC	CGC (	GCCAC		CA CO	CGAC <i>A</i>	ACA(	C CG(	GAGA(	CACG	A					1802
				CGCGC						CACG GGC		AAG	GAC	CGC	TAC	1802 1850
ATG	GAC	ACG	CCA	CGCG(	СТС	AAG	AAA	AAA	СТС		CTG					
ATG	GAC	ACG	CCA	CGCG(	СТС	AAG	AAA	AAA	СТС	GGC	CTG					
ATG Met	GAC Asp	ACG Thr	CCA Pro	ACG Thr	CTC Leu	AAG Lys	AAA Lys	AAA Lys	CTC Leu 10	GGC	CTG Leu	Lys	Asp	Arg 15	Tyr	
ATG Met	GAC Asp GCA	ACG Thr	CCA Pro	ACG Thr 5	CTC Leu GGC	AAG Lys CTC	AAA Lys GGC	AAA Lys TGG	CTC Leu 10 GAG	GGC Gly	CTG Leu ACC	Lys TAC	Asp CAG	Arg 15 CCG	Tyr ATG	1850
ATG Met	GAC Asp GCA	ACG Thr	CCA Pro	ACG Thr 5	CTC Leu GGC	AAG Lys CTC	AAA Lys GGC	AAA Lys TGG	CTC Leu 10 GAG	GGC Gly ACG	CTG Leu ACC	Lys TAC	Asp CAG	Arg 15 CCG	Tyr ATG	1850
ATG Met GCG Ala	GAC Asp GCA Ala	ACG Thr ATG Met	CCA Pro ACG Thr	ACG Thr  CGC	CTC Leu GGC Gly	AAG Lys CTC Leu	AAA Lys GGC Gly	AAA Lys TGG Trp 25	CTC Leu 10 GAG Glu	GGC Gly ACG	CTG Leu ACC Thr	Lys TAC Tyr	Asp CAG Gln 30	Arg 15 CCG Pro	Tyr ATG Met	1850
ATG Met GCG Ala	GAC Asp GCA Ala	ACG Thr ATG Met	CCA Pro  ACG Thr 20 TTC	ACG Thr  CGC Arg	CTC Leu GGC Gly	AAG Lys CTC Leu GAC	AAA Lys GGC Gly	AAA Lys TGG Trp 25 TAC	CTC Leu 10 GAG Glu	GGC Gly ACG Thr	CTG Leu ACC Thr	Lys TAC Tyr	Asp CAG Gln 30 ATC	Arg 15 CCG Pro	Tyr ATG Met	1850

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# FIG. 2G

TGG	GAC	AAG	TGG	GTC	GAC	CCG	TTC	CGC	CTG	ACG	ATG	GAT	GCG	TAC	TGG	1994
Trp	Asp	Lys	Trp	Val	Asp	Pro	Phe	Arg	Leu	Thr	Met	Asp	Ala	Tyr	Trp	
	50					55					60					
AAA	TAC	CAG	GGC	GAG	AAG	GAA	AAG	AAG	CTG	TAC	GCG	GTG	ATC	GAC	GCG	2042
Lys	Tyr	Gln	Gly	Glu	Lys	Glu	Lys	Lys	Leu	Tyr	Ala	Val	Ile	Asp	Ala	
65					70					75					80	
TTC	ACG	CAG	AAC	AAC	GCG	TTC	СТС	GGC	GTG	AGC	GAC	GCC	CGC	TAC	ATC	2090
Phe	Thr	Gln	Asn	Asn	Ala	Phe	Leu	Gly	Val	Ser	Asp	Ala	Arg	Tyr	lle	
			85						90					95		
AAC	GCG	CTG	AAG	CTG	TTC	CTC	CAG	GGC	GTG	ACG	CCG	СТС	GAA	TAC	CTC	2138
Asn	Ala	Leu	Lys	Leu	Phe	Leu	Gln	Gly	Val	Thr	Pro	Leu	Glu	Tyr	Leu	
			100					105	_				110			
GCG	CAC	CGC	GGC	TTC	GCG	CAT	GTC	GGC	CGG	CAC	TTC	ACC	GGC	GAG	GGC	2186
Ala	His	Arg	Gly	Phe	Ala	His	Val	Gly	Árg	His	Phe	Thr	Gly	Glu	Gly	
		115					120					125				
GCG	CGC	ATC	GCG	TGC	CAG	ATG	CAG	TCG	ATC	GAC	GAG	CTG	CGG	CAC	TAC	2234
Ala	Arg	He	Ala	Cys	Gln	Met	Gln	Ser	Ile	Asp	Glu`	Leu	Arg	His	Tyr	
	130		·			135					140				,	

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DRAFTSMAH	CLASS	SUBCLASS	

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# FIG. 2H

CAG	ACC	GAA	ACG	CAT	GCG	ATG	TCG	ACG	TAC	AAC	AAG	TTC	TTC	AAC	GGG	2282
											Lys					•
145					150					155					160	
	CAT	CAC	TCG	AAC		TGG	TTC	GAC	CGC	GTG	TGG	TAC	CTG	TCG	GTG	2330
											Trp					
			001		01			ПОР	0		•	•				
				165					170					175		
CCG	AAG	TCG	TTC	TTC	GAG	GAC	GCG	TAT	TCG	TCG	GGG	CCG	TTC	GAG	TTC	2378
Pro	Lys	Ser	Phe	Phe	Glu	Asp	Ala	Tyr	Ser	Ser	Gly	Pro	Phe	Glu	Phe	
			180					185					190		·	
CTG	ACC	GCG	GTC	AGC	TTC	TCG	TTC	GAA	TAC	GTG	CTG	ACG	AAC	CTG	CTG	2426
Leu	Thr	Ala	Val	Ser	Phe	Ser	Phe	Glu	Tyr	Val	Leu	Thr	Asn	Leu	Leu	
		195					200					205				
TTC	GTG	CCG	TTC	ATG	TCG	GGC	GCC	GCC	TAC	AAC	GGT	GAC	ATG	TCG	ACC	2474
Phe	Val	Pro	Phe	Met	Ser	Gly	Ala	Ala	Tyr	Åsn	Gly	Asp	Met	Ser	Thr	
	210					215					220					
GTC	ACG	TTC	GGC	TTC	TCC	GCG	CAG	TCG	GAC	GAA	TCG	CGT	CAC	ATG	ACG	2522
Val	Thr	Phe	Gly	Phe	Ser	Ala	Ģln	Ser	Asp	Glu	Ser	Arg	His	Met	Thr	
225					230				•	235		_			240	
220					230					400					40	

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# FIG. 21

CTC	GGC	ATC	GAA	TGC	ATC	AAG	TTC	CTG	СТС	GAA	CAG	GAC	CCG	GAC	AAC	2570
					Ile											
				245					250					255		
GTG	CCG	ATC	GTG	CAG	CGC	TGG	ATC	GAC	AAG	TGG	TTC	TGG	CGC	GGC	TAC	2618
Val	Pro	Ile	Val	Gln	Arg	Trp	Ile	Asp	Lys	Trp	Phe	Trp	Arg	Gly	Tyr	
			260					265					270			
CGG	CTG	CTG	ACG	CTG	GTC	GCG	ATG	ATG	ATG	GAC	TAC	ATG	CAG	CCC	AAG	2666
Arg	Leu	Leu	Thr	Leu	Val	Ala	Met	Met	Met	Asp	Tyr	Met	Gln	Pro	Lys	
		275					280	•				285				
CGC	GTG	ATG	AGC	TGG	CGC	GAG	TCG	TGG	GAG	ATG	TAC	GCC	GAG	CAG	AAC	2714
Arg	Val	Met	Ser	Trp	Arg	Glu	Ser	Trp	Glu	Met	Tyr	Ala	Glu	Gln	Asn	
	290					295					300	•				
GGC	GGC	GCG	CTG	TTC	AAG	GAT	CTC	GCG	CGC	TAC	GGC	ATT	CGC	GAG	CCG	2762
Gly (	Gly	Ala	Leu	Phe	Lys	Asp	Leu	Ala	Arg	Tyr	Gly	Ile	Arg	Glu	Pro	
305					310					315					320	
AAG (	GGC	TGG	CAG	GAC	GCC	TGC	GAA	GGC	AAG	GAT	CAC	ATC	AGC	CAC	CAG	2810
Lys (	Gly	Trp	Gln	Asp	Ala	Cys	Glu	Gly	Lys	Asp	His	He	Ser	llis	Gln	
		4 2 42 6 4	•	325					330					335		

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# FIG. 2J

GCG	TGG	TCG	ACG	TTC	TAC	GGC	TTC	AAC	GCG	GCC	TCG	GCG	TTC	CAC	ACC	2858
Ala	Trp	Ser	Thr	Phe	Tyr	Gly	Phe	Asn	Ala	Ala	Ser	Ala	Phe	His	Thr	
			340					345					350			
TGG	GTG	CCG	ACC	GAA	GAC	GAA	ATG	GGC	TGG	CTG	TCG	GCG	AAG	TAT	CCC	2906
Trp	Val	Pro	Thr	Glu	Asp	Glu	Met	Gly	Trp	Leu	Ser	Ala	Lys	Tyr	Pro	
		355					360					365				
GAC	TCG	TTC	GAC	CGC	TAC	TAC	CGC	CCG	CGC	TTC	GAT	CAC	TGG	GGC	GAG	2954
Asp	Ser	Phe	Asp	Arg	Tyr	Tyr	Arg	Pro	Arg	Phe	Asp	His	Trp	Gly	Glu	
	370					375					380					
CAG	GCC	AGG	GCC	GGC	AAC	CGC	TTC	TAC	ATG	AAG	ACG	CTG	CCG	ATG	CTG	3002
Gln	Ala	Arg	Ala	Gly	Asn	Arg	Phe	Tyr	Met	Lys	Thr	Leu	Pro	Met	Leu	
385					390					395					400	٠.
TGC	CAG	ACG	TGC	CAG	ATC	CCG	ATG	CTG	TTC	ACC	GAG	CCG	GGC	AAC	CCG	3050
Cys	Gln	Thr	Cys	Gln	He	Pro	Met	Leu	Phe	Thr	Glu	Pro	Gly	Asn	Pro	٠
				405					410					415		
ACG	AAG	ATC	GGC	GCG	CGC	GAA	TCG	AAC	TAC	СТС	GGC	AAC	AAG	TTC	CAC	3098
Thr	Lys	lle	Gly	Ala	Arg	Glu	Ser	Asn	Tyr	Leu	Gly	Asn	Lys	Phe	His	
			420					425					430			

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# FIG. 2K

TTC	TGC	CAGO	GAC	CAC	TGC	AAG	GAC	ATC	TTC	GAT	CAC	GAG	CCG	CAG	AAA	3146
Phe	Cys	Ser	Asp	His	Cys	Lys	Asp	Ile	Phe	Asp	His	Glu	Pro	Gln	Lys	
		435	I				440					445				
TAC	GTG	CAG	GCG	TGG	CTG	CCG	GTG	CAC	CAG	ATC	CAT	CAG	GGC	AAC	TGC	3194
Tyr	Val	Gln	Ala	Trp	Leu	Pro	Val	His	Gln	lle	His	Gln	Gly	Asn	Cys	
	450					455					460					
TTC	CCG	CCC	GAT	GCG	GAC	CCG	GGC	GCG	GAG	GGC	TTC	GAT	CCG	СТС	GCC	3242
Phe	Pro	Pro	Asp	Ala	Asp	Pro	Gly	Ala	Glu	Gly	Phe	Asp	Pro	Leu	Ala	
465					470					475					480	
GCG	GTG	CTC	GAC	TAC	TAC	GCG	GTG	ACG	ATG	GGC	CGC	GAC	AAC	СТС	GAT	3290
Ala	Val	Leu	Asp	Tyr	Tyr	Ala	Val	Thr	Met	Gly	Arg	Asp	Asn	Leu	Asp	
				485					490					495		
TTC	GAC	GGC	TCG	GAA	GAC	CAG	AAG	AAC	TTC	GCG	GCG	TGG	CGC	GGC	CAG	3338
Phe	Asp	Gly	Ser	Glu	Asp	Gln	Lys	Asn	Phe	Ala	Ala	Trp	Arg	Gly	Gln	
			500					505					510			
GCC	ACG	CGC	AAC													3350
Ala	Thr	Arg	Asn													

APPROVED O.G. FIG. ВΥ DRAFTSMAN

# 14/36 **FIG.** 2L

TG/	CCCC	GCAA	CGAC	CAAGO	CAA T	CTTG	ACGA	G GG	CCCG	CGAA	GCG	CCGA	TGC	GCGA	ACGC	GG 3410
GCO	GACA	GGA	GACA	AAC												3427
ATO	GCC	GTC	ATC	GCC	CTC	AAA	CCC	TAC	GAC	TTC	CCG	GTG	AAG	GAT	GCC	3475
Met	Ala	Val	Ile	Ala	Leu	Lys	Pro	Tyr	Asp	Phe	Pro	Val	Lys	Asp	Ala	
				5					10					15		
GTC	GAG	AAG	TTT	CCG	GCG	CCG	CTG	СТС	TAC	GTG	TGC	TGG	GAA	AAC	CAT	3523
Val	Glu	Lys	Phe	Pro	Ala	Pro	Leu	Leu	Tyr	Val	Cys	Trp	Glu	Asn	His	
			20					25					30			
CTG	ATG	TTC	CCG	GCG	CCG	TTC	TGC	CTG	CCG	CTG	CCG	CCC	GAC	ATG	CCG	3571
Leu	Met	Phe	Pro	Ala	Pro	Phe	Cys	Leu	Pro	Leu	Pro	Pro	Asp	Met	Pro	
		35					40					45				
TTC	GGC	GCG	CTG	GCC	GGC	GAC	GTG	CTG	CCG	CCC	GTC	TAC	GGC	TAT	CAC	3619
Phe	Gly	Ala	Leu	Ala	Gly	Asp	Val	Leu	Pro	Pro	Val	Tyr	Gly	Tyr	His	
	50					55					60					
CCC	GAC	TTC	GCG	AAG	ATC	GAC	TGG	GAT	CGC	GTC	GAG	TGG	TTC	CGG	TCG	3667
Pro	Asp	Phe	Ala	Lys	Ile	Asp	Trp	Asp	Arg	Val	Glu	Trp	Phe	Arg	Ser	
65					70					75					80	
GGC	GAG	CCG	TGG	GCG	CCG	GAC	CĆG	GCG	AAG	AGC	CTG	GCC	GGC	AAC	GGC	3715
Gly	Glu	Pro	Trp	Ņlа	Pro	Asp	Pro	Ala	Lys	Ser	Leu	Ala	Gly	Asn	Gly	

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#### FIG. 2M

CTC GGG CAC AAG GAC CTG ATC AGC TTC CGC ACG CCC GGC CTC GAC GGC Leu Gly His Lys Asp Leu Ile Ser Phe Arg Thr Pro Gly Leu Asp Gly 100 105 110 CTC GGC GGC GCG AGC TTC 3781 Leu Gly Gly Ala Ser Phe 115 TGACCGCCAC GCGGACGAGC GAACCATC 3809 ATG AGC CAC CAA CTT ACC ATC GAG CCG CTG GGC GTC ACG ATC GAG GTC Met Ser His Gln Leu Thr Ile Glu Pro Leu Gly Val Thr Ile Glu Val 5 10 15 GAG GAA GGA CAG ACG ATG CTC GAT GCC GCG CTG CGC CAG GGC ATC TAC Glu Glu Gly Gln Thr Met Leu Asp Ala Ala Leu Arg Gln Gly Ile Tyr 20 25 30 ATT CCG CAC GCG TGC TGT CAC GGG CTG TGC GGC ACC TGC AAG GTC GCC Ile Pro His Ala Cys Cys His Gly Leu Cys Gly Thr Cys Lys Val Ala 35 40 45 GTG CTC GAC GGC GAG ACC GAT CCC GGC GAT GCG AAC CCG TTC GCG CTG Val Leu Asp Gly Glu Thr Asp Pro Gly Asp Ala Asn Pro Phe Ala Leu

APPROVED	0.G.	FIG.
DRAFTSMAN	CLASS	SUBCLASS

# FIG. 2N

ATG	GAT	TTC	GAG	CGC	GAG	GAA	GGC	AAG	GCG	CTC	GCG	TGC	TGC	GCG	ACG	4049
Met	Asp	Phe	Glu	Arg	Glu	Glu	Gly	Lys	Ala	Leu	Ala	Cys	Cys	Ala	Thr	
65					70					75					80	
CTG	CAG	GCC	GAC	ACC	GTG	ATC	GAG	GCC	GAC	GTC	GAC	GAG	GAG	CCG	GAT	4097
Leu	Gln	Ala	Asp	Thr	Val	He	Glu	Ala	Asp	Val	Asp	Glu	Glu	Pro	Asp	
				85					90					95		
GCG	GAA	ATC	ATC	CCG	GTC	AGG	GAC	TTC	GCG	GCC	GAC	GTC	ACG	CGC	ATC	4145
Ala	Glu	lle	He	Pro	Val	Arg	Asp	Phe	Ala	Ala	Asp	Val	Thr	Arg	Ile	
			100					105					110			
GAA	CAG	CTC	ACG	CCG	ACC	ATC	AAG	TCG	ATC	CGC	CTG	AAG	CTG	TCG	CAG	4193
Glu	Gln	Leu	Thr	Pro	Thr	lle	Lys	Ser	He	Arg	Leu	Lys	Leu	Ser	Gln	
		115					120					125				
CCG	ATC	CGC	TTC	CAG	GCG	GGC	CAG	TAC	GTG	CAG	СТС	GAG	ATT	CCC	GGC	4241
Pro	He	Arg	Phe	Gln	Ala	Gly	Gln	Tyr	Val	Gln	Leu	Glu	lle	Pro	Gly	
	130					135					140					
СТС	GGG	CAG	AGC	CGC	GCG	TTC	TCG	ATC	GCG	AAC	GCG	CCG	GCC	GAC	GTC	4289
Leu	Gly	Gln	Ser	Arg	Ala	Phe	Ser	lle	Ala	Asn	Ala	Pro	Ala	Asp	Val	
145					150					155		٠			160	

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# FIG. 20

GCG	GCC	ACC	GGC	GAG	ATC	GAA	CTG	AAC	GTG	CGG	CAG	GTG	CCG	GGC	GGG	4337
Ala	Ala	Thr	Gly	Glu	Ile	Glu	Leu	Asn	Val	Arg	Gln	Val	Pro	Gly	Gly	
				165					170					175		
СТС	GGC	ACG	GGC	TAC	CTG	CAC	GAG	CAA	CTG	GCG	ACG	GGC	GAG	CGC	GTG	4385
Leu	Gly	Thr	Gly	Tyr	Leu	His	Glu	Gln	Leu	Ala	Thr	Gly	Glu	Arg	Val	
			180					185					190			
CGC	CTG	TCG	GGC	CCG	TAC	GGC	CGC	TTC	TTC	GTG	CGT	CGC	TCG	GCC	GCG	4433
Arg	Leu	Ser	Gly	Pro	Tyr	Gly	Arg	Phe	Phe	Val	Arg	Arg	Ser	Ala	Ala	
		195					200					205				
CGG	CCG	ATG	ATC	TTC	ATG	GCC	GGC	GGG	TCG	GGG	CTG	TCG	AGC	CCG	CGC	4481
Arg	Pro	Met	Ile	Phe	Met	Ala	Gly	Gly	Ser	Gly	Leu	Ser	Ser	Pro	Arg	
	210					215					220					
TCG	ATG	ATC	GCG	GAC	CTG	CTC	GCA	AGC	GGC	GTC	ACC	GCG	CCG	ATC	ACG	4529
Ser	Met	Ile	Ala	Asp	Leu	Leu	Ala	Ser	Gly	Val	Thr	Ala	Pro	lle	Thr	
225				23	30				23	35				240		
CTG	GTC	TAC	GGT	CAG	CGC	AGC	GCG	CAG	GAG	CTC	TAC	TAC	CAC	GAC	GAA	4577
Leu	Val	Туr	Gly	Gln	Arg	Ser	Ala	Gln	Glu	Leu	Tyr	Tyr	His	Asp	Glu	
				245					250					255		
TC	CGC	GCG	CŢG	GCC	GAA	CGC	CAT	CCG	AAC	TTC	ACG	TAC	GTG	CCG	GCG	4625

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#### FIG. 2P

Phe Arg Ala Leu Ala Glu Arg His Pro Asn Phe Thr Tyr Val Pro Ala 260 265 270 CTG TCC GAA GGC GCA CCG CAC GCG GGC GGC GAC GTC GCG CAA GGG TTC Leu Ser Glu Gly Ala Pro His Ala Gly Gly Asp Val Ala Gln Gly Phe 275 280 285 GTG CAC GAC GTC GCG AAG GCA CAT TTC GGC GGC GAC TTC TCC GGG CAC Val His Asp Val Ala Lys Ala His Phe Gly Gly Asp Phe Ser Gly His 290 295 300 CAG GCG TAC CTG TGC GGG CCG CCC GCG ATG ATC GAC GCG TGC ATC ACG Gln Ala Tyr Leu Cys Gly Pro Pro Ala Met Ile Asp Ala Cys Ile Thr 305 310 315 320 ACG CTG ATG CAG GGG CGC CTG TTC GAG CGC GAC ATC TAT CAC GAG AAG

Thr Leu Met Gln Gly Arg Leu Phe Glu Arg Asp Ile Tyr His Glu Lys

325

330

335

TTC ATC TCG GCG GCC GAC GCG CAA CAG ACG CGC AGC CCG CTG TTC CGG 4865

Phe Ile Ser Ala Ala Asp Ala Gln Gln Thr Arg Ser Pro Leu Phe Arg

340 345 350

CGG GTG 4871

4875

Arg Val

TGAC

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BY	CLASS	SUBCLASS
DRAFTSMAN		
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#### FIG. 2Q

ATG GAC GCG GGC CGC GTA TGC GGG ACG GTC ACG ATC GCG CAG ACC GAC 4923

Met Asp Ala Gly Arg Val Cys Gly Thr Val Thr Ile Ala Gln Thr Asp

5

10

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GAG CGC TAT GCG TGC GTG TCC GGC GAG TCG CTG CTG GCC GGC ATG GCG 4971
Glu Arg Tyr Ala Cys Val Ser Gly Glu Ser Leu Leu Ala Gly Met Ala

20

25

30

AAA CTC GGC CGG CGC GGC ATT CCG GTC GGC TGC CTG AAC GGC GGG TGC 5019

Lys Leu Gly Arg Arg Gly Ile Pro Val Gly Cys Leu Asn Gly Gly Cys

35

40

45

GGC GTG TGC AAG GTG CGC GTG CTG CGC GGT GCG GTG CGC AAG CTC GGG 5067
Gly Val Cys Lys Val Arg Val Leu Arg Gly Ala Val Arg Lys Leu Gly

50

55

60

CCG ATC AGC CGT GCC CAT GTG AGC GCG GAA GAA GAG AAC GAC GGC TAC 5115

Pro Ile Ser Arg Ala His Val Ser Ala Glu Glu Glu Asn Asp Gly Tyr

65 70 75 80

GCG CTT GCG TGC CGC GTC GTG CCG GAC GGC GAC GTC GAA CTC GAA GTG 5163
Ala Leu Ala Cys Arg Val Val Pro Asp Gly Asp Val Glu Leu Glu Val

ভূম কৰা প্ৰকাশ কৰিছে কৰেছে কৰা কৰিছে ক প্ৰকাশ কৰিছে ক

#### FIG. 2R

GCC GGC CGG CTC AGG AAG CCG TTC TTC TGC GGC ATG GCA TGT GCC GGC 5211

Ala Gly Arg Leu Arg Lys Pro Phe Phe Cys Gly Met Ala Cys Ala Gly

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110

ACG GCG GCG ATC AAC AAG

5229

Thr Ala Ala Ile Asn Lys

115

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# FIG. 3

Met Glu Ala Thr Pro Ile Met Asn Gln His Pro Thr Asp Leu Ser Pro 5 10 15 Phe Asp Pro Gly Arg Lys Cys Val Arg Val Thr Gly Thr Asn Ala Arg 20 25 30 Gly Phe Val Glu Phe Glu Leu Ser Ile Gly Gly Ala Pro Glu Leu Cys 35 40 45 Val Glu Leu Thr Leu Ser Pro Ala Ala Phe Asp Ala Phe Cys Arg Glu 50 55 60 Gln Gln Val Thr Arg Leu Asp Val Glu Ala Asn Pro 65 70 75

FIG. 4

FIG. 4A FIG. 4B FIG. 4C

115

FIG. 4A

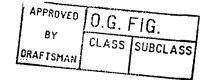
Met Arg Ser Ala Ala Asn Ser Arg Ser Arg Gly Ser Thr Ser Lys Arg 15 5 10 Thr His Asp Leu Glu Glu Gln Glu Val Thr Ile Glu Leu Lys Thr Val 25 30 20 Asp Ile Lys Pro Leu Arg His Thr Phe Ala His Val Ala Gln Asn Ile 45 35 40 Gly Gly Asp Lys Thr Ala Thr Arg Tyr Gln Glu Gly Met Met Gly Ala 60 50 55 Gln Pro Gln Glu Asn Phe His Tyr Arg Pro Thr Trp Asp Pro Asp Tyr 75 70 80 65 Glu lle Phe Asp Pro Ser Arg Ser Ala lle Arg Met Ala Asn Trp Tyr 85 90 95 Ala Leu Lys Asp Pro Arg Gln Phe Tyr Tyr Ala Ser Trp Ala Thr Thr 110 100 105

Arg Ala Arg Gln Gln Asp Ala Met Glu Ser Asn Phe Glu Phe Val Glu

120

125

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# FIG. 4B

Ser	Arg	Arg	Met	He	Gly	Leu	Met	Årg	Asp	Asp	Val	Ala	Ala	Arg	Ala
	130					135					.140				
Leu	Asp	Val	Leu	Val	Pro	Leu	Arg	His	Ala	Ala	Trp	Gly	Ala	Asn	Met
145		•			150					155					160
Asn	Asn	Ala	Gln	Ile	Cys	Ala	Leu	Gly	Tyr	Gly	Thr	Val	Phe	Thr	Ala
				165					170					175	
Pro	Ala	Met	Phe	His	Ala	Met	Asp	Asn	Leu	Gly	Val	Ala	Gln	Tyr	Leu
			180					185					190		
Thr	Arg	Leu	Ala	Leu	Ala	Met	Ala	Glu	Pro	Asp	Val	Leu	Glu	Ala	Ala
		195					200					205			
Lys	Ala	Thr	Trp	Thr	Arg	Asp	Ala	Ala	Trp	Gln	Pro	Leu	Arg	Arg	Tyr
	210					215					220				
/a i	Glu	Asp	Thr	Leu	Val	Val	Ala	Asp	Pro	Val	Glu	Leu	Phe	lle	Ala
225					230					235				•	240

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# FIG. 4C

Gln	Asn	Leu	Ala	Leu	Asp	Gly	Leu	Leu	Tyr	Pro	Leu	Val	Tyr	Asp	Arg
				245					250					255	
Phe	Val	Asp	Glu	Arg	Ile	Ala	Leu	Glu	Gly	Gly	Ser	Ala	Val	Ala	Met
			260					265					270		
Leu	Thr	Ala	Phe	Met	Pro	Glu	Trp	His	Thr	Glu	Ser	Asn	Arg	Trp	Ile
		275					280					285			
Asp	Ala	Val	Val	Lys	Thr	Met	Ala	Ala	Glu	Ser	Asp	Asp	Asn	Arg	Ala
	290					295					300				
Leu	Leu	Ala	Arg	Trp	Thr	Arg	Asp	Trp	Ser	Ala	Arg	Ala	Glu	۸la	Ala
305					310					315					320
Leu	Ala	Pro	Val	Ala	Ala	Arg	Ala	Leu	Gln	Asp	Ala	Gly	Arg	Ala	Ala
			•	325					330					335	
Leu	Asp	Glu	Val	Arg	Glu	Gln	Phe	His	Ala	Arg	Ala	Ala	Arg	Leu	Gly
			340					345				3	350		
			•												

lle Ala Leu

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#### FIG. 5

Met Ser Asn Val Phe Ile Ala Phe Gln Ala Asn Glu Asp Ser Arg Pro Ile Val Asp Ala Ile Val Ala Asp Asn Pro Arg Ala Val Val Glu Ser Pro Gly Met Val Lys Ile Asp Ala Pro Asp Arg Leu Thr Ile Arg Arg Glu Thr Ile Glu Glu Leu Thr Gly Thr Arg Phe Asp Leu Gln Gln Leu Gln Val Asn Leu Ile Thr Leu Ser Gly His Ile Asp Glu Asp Asp Asp Glu Phe Thr Leu Ser Trp Ser His

11

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#### FIG. 6

FIG. 6A FIG. 6B FIG. 6C FIG. 6D

FIG. 6A

Met Asp Thr Pro Thr Leu Lys Lys Leu Gly Leu Lys Asp Arg Tyr 5 10 15 Ala Ala Met Thr Arg Gly Leu Gly Trp Glu Thr Thr Tyr Gln Pro Met 20 25 30 Asp Lys Val Phe Pro Tyr Asp Arg Tyr Glu Gly Ile Lys Ile His Asp 35 40 45 Trp Asp Lys Trp Val Asp Pro Phe Arg Leu Thr Met Asp Ala Tyr Trp 50 55 60 Lys Tyr Gln Gly Glu Lys Glu Lys Lys Leu Tyr Ala Val Ile Asp Ala 65 70 75 80 Phe Thr Gln Asn Asn Ala Phe Leu Gly Val Ser Asp Ala Arg Tyr Ile 85 95 90 Asn Ala Leu Lys Leu Phe Leu Gln Gly Val Thr Pro Leu Glu Tyr Leu 100 105 110 Ala His Arg Gly Phe Ala His Val Gly Arg His Phe Thr Gly Glu Gly · 2 115

120

0.G. I	FIG.
CLASS	SUBCLASS

# FIG. 6B

•	· 1000000000000000000000000000000000000		260	 ?es.				265					270		
al	Pro	lle	Val	Gln	Arg	Trp	lle	Asp	Lys	Trp	Phe	Trp	Arg	Gly	Tyr
				245					250					255	
eu	Gly	lle	Glu	Cys	lle	Lys	Phe	Leu	Leu	Glu	Gln	Asp	Pro	Asp	Asn
225					230					235					240
Val	Thr	Phe	Gly	Phe	Ser	Ala	Gln	Ser	Asp	Glu	Ser	Arg	His	Met	Thr
	210					215					220				
Phe	Val	Pro	Phe	Met	Ser	Gly	Ala	Ala	Tyr	Asn	Gly	Asp	Met	Ser	Thr
		195					200					205			
Leu	Thr	Ala	Val	Ser	Phe	Ser	Phe	Glu	Tyr	Val	Leu	Thr	Asn	Leu	Leu
			180					185					190		
Pro	Lys	Ser	Phe	Phe	Glu	Asp	Ala	Tyr	Ser	Ser	Gly	Pro	Phe	Glu	Phe
				165					170					175	
Phe	His	His	Ser	Asn	Gln	Trp	Phe	Asp	Arg	Val	Trp	Tyr	Leu	Ser	Val
145					150					155					160
Gln	Thr	Glu	Thr	His	Ala	Met	Ser	Thr	Tyr	Asn	Lys	Phe	Phe	Asn	Gly
	130					135					140				
Ala	Arg	Ile	Ala	Cys	Gln	Met	Gln	Ser	Ile	Asp	Glu	Leu	Arg	His	Tyr

APPROVEO	0.G. I	FIG.
51	CLASS	SUBCLASS
DRAFTSMAN		

# FIG. 6C

Arg	Leu	Leu	Thr	Leu	Val	Ala	Met	Met	Met	Asp	Tyr	Met	Gln	Pro	Lys
		275					280					285			
Arg	Val	Met	Ser	Trp	Arg	Glu	Ser	Trp	Glu	Met	Tyr	Ala	Glu	Gln	Asn
	290					295					300				
Gly	Gly	Ala	Leu	Phe	Lys	Asp	Leu	Ala	Arg	Tyr	Gly	Ile	Arg	Glu	Pro
305					310					315					320
Lvc	Glv	Trn	Gln	A en	412	Cvc	Gla	Gly	Lvc	A en	Nic.	Ha	Sar	U; o	Cln
БУЗ	uly	11 þ	UIII		nia	U)S	Ulu	uly		uoh	His	116	261		UIII
				325					330			-		335	
Ala	Trp	Ser	Thr	Phe	Tyr	Gly	Phe	Asn	Ala	Ala	Ser	Ala	Phe	His	Thr
			340					345					350		
Trp	Val	Pro	Thr	Glu	Asp	Glu	Met	Gly	Trp	Leu	Ser	Ala	Lys	Tyr	Pro
		355					360					365			
Asp	Ser	Phe	Asp	Arg	Tyr	Tyr	Arg	Pro	Arg	Phe	Asp	His	Trp	Gly	Glu
	370					375					380				
Gln	Ala	Arg	Ala	Gly	Asn	Arg	Phe	Tyr	Met	Lys	Thr	Leu	Pro	Met	Leu
385					390					395					400
Cys	G l·n×	Thr:	Cys'	Gln	Île	Pro	Met	Leu	Phe	Thr	Glu	Pro	Gly	Asn	Pro

APPROVEC	0.G. FIG.						
DRAFTSMAN	CLASS	SUBCLASS					
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#### FIG. 6D

Thr Lys Ile Gly Ala Arg Glu Ser Asn Tyr Leu Gly Asn Lys Phe His Phe Cys Ser Asp His Cys Lys Asp Ile Phe Asp His Glu Pro Gln Lys Tyr Val Gln Ala Trp Leu Pro Val His Gln lie His Gln Gly Asn Cys Phe Pro Pro Asp Ala Asp Pro Gly Ala Glu Gly Phe Asp Pro Leu Ala Ala Val Leu Asp Tyr Tyr Ala Val Thr Met Gly Arg Asp Asn Leu Asp Phe Asp Gly Ser Glu Asp Gln Lys Asn Phe Ala Ala Trp Arg Gly Gln Ala Thr Arg Asn

	O.G. FIG.						
BY	CLASS SUBCLASS						
DRAFTSMAH							

## FIG. 7

Met Ala Val Ile Ala Leu Lys Pro Tyr Asp Phe Pro Val Lys Asp Ala 5 10 15 Val Glu Lys Phe Pro Ala Pro Leu Leu Tyr Val Cys Trp Glu Asn His 30 20 25 Leu Met Phe Pro Ala Pro Phe Cys Leu Pro Leu Pro Pro Asp Met Pro 45 35 40 Phe Gly Ala Leu Ala Gly Asp Val Leu Pro Pro Val Tyr Gly Tyr His 55 50 60 Pro Asp Phe Ala Lys Ile Asp Trp Asp Arg Val Glu Trp Phe Arg Ser 70 65 75 80 -Gly Glu Pro Trp Ala Pro Asp Pro Ala Lys Ser Leu Ala Gly Asn Gly 85 90 95 Leu Gly His Lys Asp Leu Ile Ser Phe Arg Thr Pro Gly Leu Asp Gly 100 105 110 Leu Gly Gly Ala Ser Phe

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# FIG. 8

FIG. 8A FIG. 8B FIG. 8C

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### FIG. 8A

Met Ser His Gln Leu Thr Ile Glu Pro Leu Gly Val Thr Ile Glu Val 5 10 15 Glu Glu Gly Gln Thr Met Leu Asp Ala Ala Leu Arg Gin Gly Ile Tyr 20 25 30 Ile Pro His Ala Cys Cys His Gly Leu Cys Gly Thr Cys Lys Val Ala 35 40 45 Val Leu Asp Gly Glu Thr Asp Pro Gly Asp Ala Asn Pro Phe Ala Leu 50 60 55 Met Asp Phe Glu Arg Glu Glu Gly Lys Ala Leu Ala Cys Cys Ala Thr 65 70 75 80 Leu Gln Ala Asp Thr Val lle Glu Ala Asp Val Asp Glu Glu Pro Asp 85 90 95 Ala Glu Ile Ile Pro Val Arg Asp Phe Ala Ala Asp Val Thr Arg Ile

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APPROVED	O.G. FIG.					
BY	CLASS	SUBCLASS				
DRAFTSHAN						

# FIG. 8B

Glu	Gln	Leu	Thr	Pro	Thr	lle	Lys	Ser	lle	Arg	Leu	Lys	Leu	Ser	Glr
		115					120					125			
Pro	Ile	Arg	Phe	Gln	Ala	Gly	Gln	Tyr	Val	Gln	Leu	Glu	lle	Pro	Gly
	130					135					140				
Leu	Gly	Gln	Ser	Arg	Ala	Phe	Ser	Ile	Ala	Asn	Ala	Pro	Ala	Asp	Val
145					150					155					160
Ala	Ala	Thr	Gly	Glu	He	Glu	Leu	Asn	Val	Arg	Gln	Val	Pro	Gly	Gly
				165					170					175	
Leu	Gly	Thr	Gly	Tyr	Leu	His	Glu	Gln	Leu	Ala	Thr	Gly	Glu	Arg	Val
			180	•				185					190		
Árg	Leu	Ser	Gly	Pro	Tyr	Gly	Arg	Phe	Phe	Val	Arg	Arg	Ser	Ala	Ala
		195					200					205			
Arg	Pro	Met	Ile	Phe	Met	Ala	Gly	Gly	Ser	Gly	Leu	Ser	Ser	Pro	Arg
	210					215					220				
Ser	Met	lle	Ala	Asp	Leu	Leu	Ala	Ser	Gly	Val	Thr	Ala	Pro	Ile	Thr
225					230					235	-				240
eu	Val	Tyr	Gly	Gln	Arg	Ser	Ala	Gln	Glu	Leu	Tyr	Tyr	His	Asp	Glu
				245					250	•				255	

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# FIG. 8C

Phe Arg Ala Leu Ala Glu Arg His Pro Asn Phe Thr Tyr Val Pro Ala 265 260 270 Leu Ser Glu Gly Ala Pro His Ala Gly Gly Asp Val Ala Gln Gly Phe 285 275 280 Val His Asp Val Ala Lys Ala His Phe Gly Gly Asp Phe Ser Gly His 290 295 300 Gln Ala Tyr Leu Cys Gly Pro Pro Ala Met Ile Asp Ala Cys Ile Thr 305 310 315 320 Thr Leu Met Gln Gly Arg Leu Phe Glu Arg Asp Ile Tyr His Glu Lys 325 330 335

Phe Ile Ser Ala Ala Asp Ala Gln Gln Thr Arg Ser Pro Leu Phe Arg

APPROVED	O.G. FIG.						
BY	CLASS	SUBCLASS					
DRAFTSMAH							

# FIG. 9

Met Asp Ala Gly Arg Val Cys Gly Thr Val Thr Ile Ala Gln Thr Asp Glu Arg Tyr Ala Cys Val Ser Gly Glu Ser Leu Leu Ala Gly Met Ala Lys Leu Gly Arg Arg Gly Ile Pro Val Gly Cys Leu Asn Gly Gly Cys Gly Val Cys Lys Val Arg Val Leu Arg Gly Ala Val Arg Lys Leu Gly Pro Ile Ser Arg Ala His Val Ser Ala Glu Glu Asn Asp Gly Tyr Ala Leu Ala Cys Arg Val Val Pro Asp Gly Asp Val Glu Leu Glu Val Ala Gly Arg Leu Arg Lys Pro Phe Phe Cys Gly Met Ala Cys Ala Gly Thr Ala Ala Ile Asn Lys

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#### FIG. 10

AGTCCGCCAT GGAGGCGACA CCGATCATGA ATCAGC 36

#### FIG. 11

CACCGACCAT GGATCAGCAC CCCACCGATC TTTC 34

### FIG. 12

TGCCGCCTTC CATGGGTTCT GCCGCGAACA GCAG 34

#### FIG. 13

AGCAAGCCAT GGCCATCGAG CTGAAGACAG TCGACATCA 39

#### FIG. 14

CCGACCATCA CCTGCTCGGC CAGATGGAAG TCGAG 35

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